

## GIS training opportunities in Colorado

Following are four alternatives for GIS training available to agency and partnership employees.

### 1. In-state GIS training by NRCS staff

Courses are scheduled subject to need and availability of staff. Employees who want to attend in-state GIS training should include it on their Employee Development Plan and annual training request.

Cost: travel.

**Introduction to ArcGIS I for SCA** (Service Center Agencies), non-certificate, three days, taught by state office GIS staff, an introduction to all ArcGIS basics including ArcMap, ArcCatalog and ArcToolbox, working with GIS data, tables, editing and presentation of data.

**Basic and Intermediate Customer Service Toolkit with ArcGIS** classes, three days, taught by Resource Conservationists-Technology staff.

### 2. ESRI Virtual Campus (on-line) training (<http://campus.esri.com/>)

A variety of technical and subject based courses are available, varying in length and complexity. These courses are included in our enterprise agreement with ESRI. Trainees can work from their desk but need to set aside time to work on and complete the course.

Cost: work time to complete the course.

Information on USDA and partner registration for ESRI virtual campus courses can be found at <http://www.nedc.nrcs.usda.gov/catalog/ESRIVirtualCampus.html>

### 3. ESRI GIS classes taught by NCGC staff, Fort Worth, TX (<http://www.ncgc.nrcs.usda.gov/products/training/>)

Courses are scheduled regularly throughout the year at NCGC (National Cartography and Geospatial Center) in Fort Worth. NCGC-taught classes are certified to meet ESRI requirements for content, and include an ESRI certificate. Register for these classes through AgLearn.

Cost: travel.

**Introduction to ArcGIS I for USDA SCA 9**, three days, same as in-state except updated for ArcGIS 9.

**Working with ArcGIS Spatial Analyst 9**, four days, understand and work with raster data, distance modeling, surface hydrology functions, building raster models. Prerequisite, Intro to ArcGIS I

**Taking GIS to the Field Using ArcPad**, five days, Introduction to ArcPad and PDA use, integration of GPS data into GIS, creation of specific Edit-Forms for Attribute data collection. Prerequisite of Intro to ArcGIS I is advised.

#### 4. ESRI Instructor-led (<http://www.esri.com/training/index.html>)

ESRI has a training facility in Broomfield and offers many technical courses, some that might be of interest to our staff that are not available in-house or through NCGC. To take an ESRI taught class, check with your supervisor, include it on your Employee Development Plan and annual training request, and submit an SF182 for approval.

Cost: average \$1,350 per seat or \$10,500 for up to 12 at our location, plus travel as needed.

Some examples of courses offered at ESRI training facilities:

**Introduction to ArcGIS II**, three days, spatial analysis, automation of spatial and attribute data, editing, and advanced options for cartographic display.

**Building Geodatabases I and II**, three days, Participants learn how to create, use, edit, and manage spatial and attribute data stored in the geodatabase.

**Cartography with ArcGIS**, three days, conceptual lessons emphasizing the basic principles of cartographic design using the cartographic and geoprocessing tools available in ArcGIS Desktop. Prerequisite, Intro to ArcGIS I